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State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SITE REMEDIATION AND WASTE MANAGEMENT PROGRAM
DIVISION OF REMEDIATION SUPPORT

BUREAU OF ENVIRONMENTAL MEASUREMENTS AND SITE ASSESSMENT
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JON S. CORZINE
Governor

LISA P. JACKSON
Commissioner

Memorandum

To: Fred Mumford, Case Manager
Remedial Response Element

AUG 6 2007

From: Jerry R. Schoenleber, Section Chief
Environmental Measurements Section

JRS

Subject: Margaret's Creek Lead Contamination – A4639300
Soil Sampling – July 24, 2007

At your request the Environmental Measurements Section conducted surface soil sampling at the Old Bridge Waterfront Walkway at Laurence Harbor on July 24th, 2007. This event constitutes the second round of sampling, the first being conducted in May of this year. Soil associated with the seawall analyzed during the first event revealed elevated levels of lead, antimony and arsenic. This prompted a second round of surface soil sampling to further investigate the expanse associated with the park where exposure to walkway users would most likely occur. Thirty-one locations were chosen over the park area including an expanse of beach east of the footbridge over Margaret's Creek. The attached maps depict sample locations that were fixed using global positioning satellites. All samples were collected from the 0-6 inch depth interval using dedicated decontaminated stainless steel trowels.

As a precautionary measure, a radiation meter (Micro R/Model 19 w/ Gamma probe) was used to scan the crucible slag waste material along the seawall between S29 and S30 and again at locations S34 and S35. Reading never went above the background measurement of 5-6 mR/hr. Based on these observations, it may be assumed that the crucible slag presents no immediate radiological concerns.

Samples were shipped to Test America in Burlington, Vermont for trace metals analysis per state contract A57425 line item #50. Results should be available on or about August 26th. If you have any questions regarding sample collection or the status of samples analysis please contact the writer @ 588-3104.

C: Ed Putnam, Assistant Director, RRE, w/attachments
William Lowry, Chief, BEMSA
Chron